



The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

05/31/2011

Thomas Costello  
Assistant District Attorney, Suffolk County

Dear ADA Costello,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan & Daniel Renczkowski.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Daniel Renczkowski was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in cursive script, appearing to read "Annie Dookhan".

Annie Dookhan  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6631

## **Curriculum Vitae**

**Annie Khan (Dookhan)**

### **Education:**

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

### **Experience:**

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Maintenance and repairs of all analytical instruments.

\*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

\*Responsible for the Quality Control/Quality Assurance program for the drug lab.

\*Notary Public.

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

\*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Trained and supervised new chemists and interns for the department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

### **Additional Training:**

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

### **Association:**

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

## Curriculum Vitae

Daniel Renczkowski

### Education

Degree: Bachelors of Science in Forensic Chemistry,  
May 2005 from Buffalo State College  
GPA: 3.84, Dean's List, Honor's Recognition  
American Chemical Society Undergraduate Award  
Phi Lambda Upsilon Membership

Related Coursework:	Analytical Chemistry	Physical Chemistry
	Organic Chemistry I and II	Instrumental Chemistry
	Biochemistry	Forensics Laboratory
	Chemistry of Criminalistics	Physical Evidence
	Anatomy	Physiology

### Employment

Massachusetts Department of Public Health Drug Analysis Laboratory

Chemist I (October 2005 – March 2008)

Chemist II (March 2008 – present)

- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff
- Successfully completed GC/MS training program
- Responsible for the identification of substances to determine violation of the Controlled Substances Act of the Massachusetts General Laws
- Responsible for maintenance and repairs of analytical instruments
- Responsible for quality control of analytical instruments and standards

### Related Experience

Niagara County Forensics Laboratory

Forensic Internship, January 2005

- Conducted research on the presumptive testing of saliva
- Conducted research on the identification and detection of lubricants
- Observed all aspects of the laboratory including drug analysis, firearms comparison, trace evidence, arson investigation, toxicology, and serology
- Daily use of FTIR microscope and DuraSamplerII
- Familiarized with GC/MS programs



DRUG RECEIPT

CC # [REDACTED]  
BOOK # 152  
PAGE # 82  
DESTRUCTION # \_\_\_\_\_

District/Unit DCU/B-2  
Name & Rank of Arresting Officer PO Smigliani ID# 11184

DEFENDANT'S NAME

ADDRESS

CITY

STATE

Wilmington

MA

Boston

MA

LAB USE ONLY

DESCRIPTION OF ITEMS SUBMITTED

GROSS  
QUANTITY

GROSS  
WEIGHT

ANALYSIS  
NUMBER

Cocaine

3 P/B

4.32g

Cocaine

1 P/B

3.95g

To be completed by ECU personnel only

Name and Rank of Submitting Officer B. Allen ID# 11096

Received by [Signature] Date 1/25/11

ECU Control # \_\_\_\_\_

No. [REDACTED] Date Analyzed: 4-8-11  
City: Boston D.C.U. Police Dept.  
Officer: P.O. KEITH BUTLER  
Def: [REDACTED] Subst: SUB  
Amount:  
No. Cont: 3 Cont: pb  
Date Rec'd: 01/25/2011 No. Analyzed: 1  
Gross Wt.: 4.32 Net Weight: 0.07  
# Tests: 6 ASD  
• 2DJR

Prelim: cocaine @ Findings: Cocaine

No. [REDACTED] Date Analyzed: 4-8-11  
City: Boston D.C.U. Police Dept.  
Officer: P.O. KEITH BUTLER  
Def: [REDACTED] Subst: SUB  
Amount:  
No. Cont: 1 Cont: pb  
Date Rec'd: 01/25/2011 No. Analyzed:  
Gross Wt.: 3.95 Net Weight: 0.11  
# Tests: 6 ASD  
• 2DJR

Prelim: cocaine @ Findings: Cocaine



# DRUG POWDER ANALYSIS FORM

SAMPLE #                      AGENCY Boston ANALYST ADJ

No. of samples tested:            Evidence Wt.           

## PHYSICAL DESCRIPTION:

off white chunky substance  
- 7 - pb

Gross Wt ( ): 0.1502

Gross Wt ( ):           

Pkg. Wt:           

Net Wt: 0.1132

## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( - ) +

Marquis -

Froehde's -

Mecke's ✓

### Microcrystalline Tests

Gold  
Chloride +

TLTA ( - ) +

### OTHER TESTS

## PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 04-02-11

## GC/MS CONFIRMATORY TEST

RESULTS cocaine

MS  
OPERATOR DSR

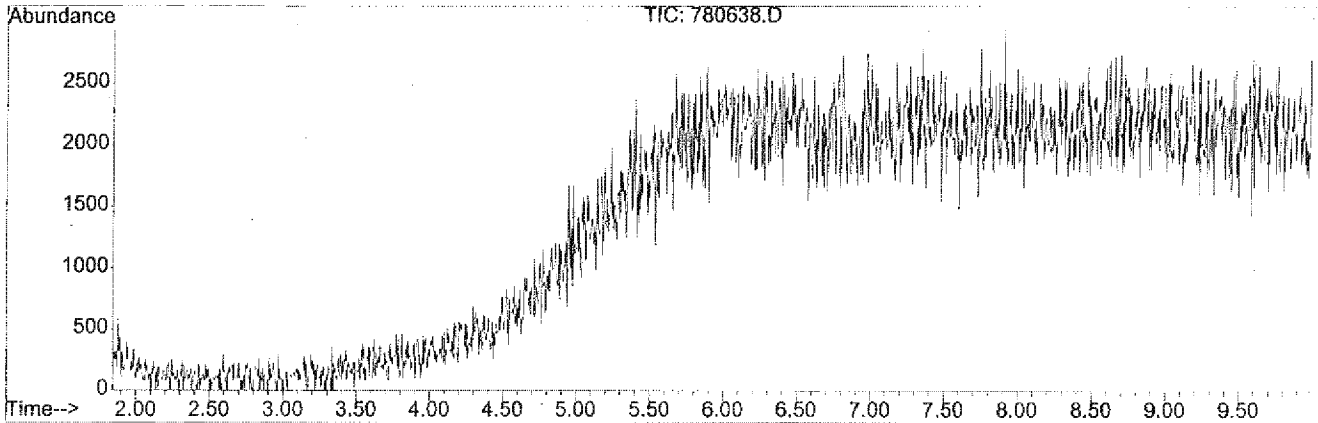
DATE 4-8-11

# Area Percent / Library Search Report

## Information from Data File:

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Operator : ASD  
Date Acquired : 5 Apr 2011 17:03  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

✓ DJR  
5-31-11



Ret. Time	Area	Area %	Ratio %
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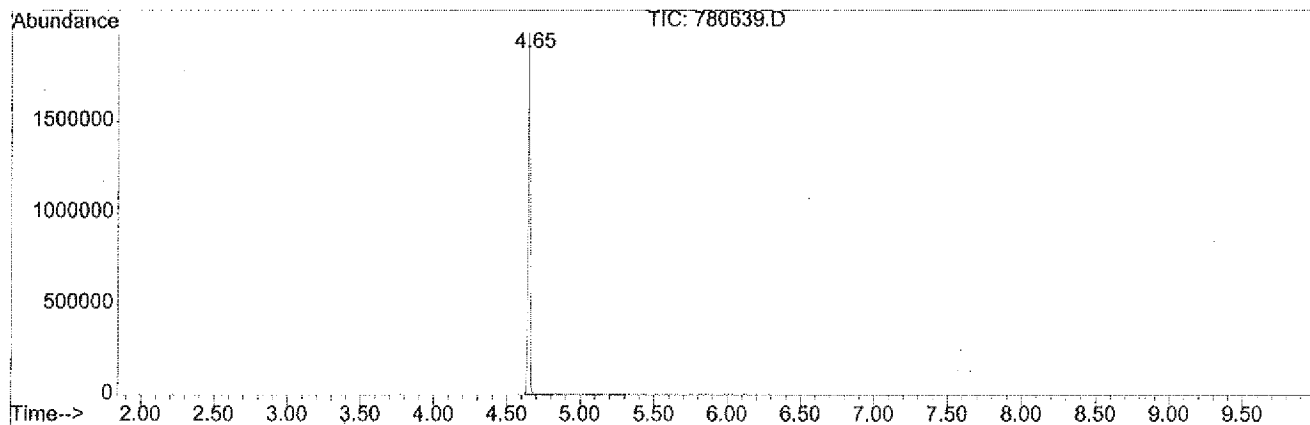
\*\*\*NO INTEGRATED PEAKS\*\*\*



# Area Percent / Library Search Report

Information from Data File:

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 Operator : ASD  
 Date Acquired : 5 Apr 2011 17:17  
 Sample Name : COCAINE STD  
 Submitted by : ASD  
 Vial Number : 39  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.646	1772616	100.00	100.00

# Area Percent / Library Search Report

**Information from Data File:**

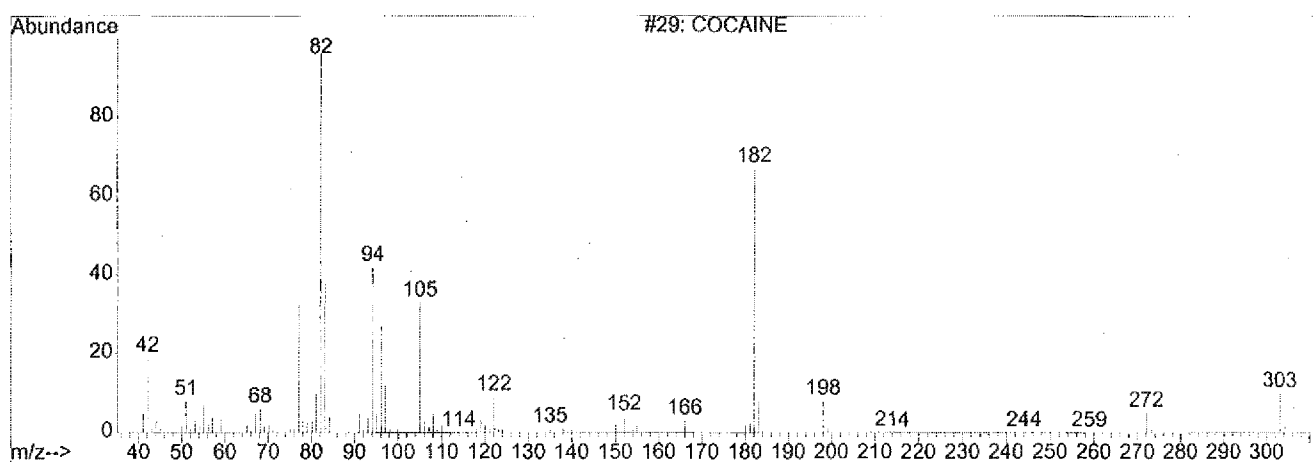
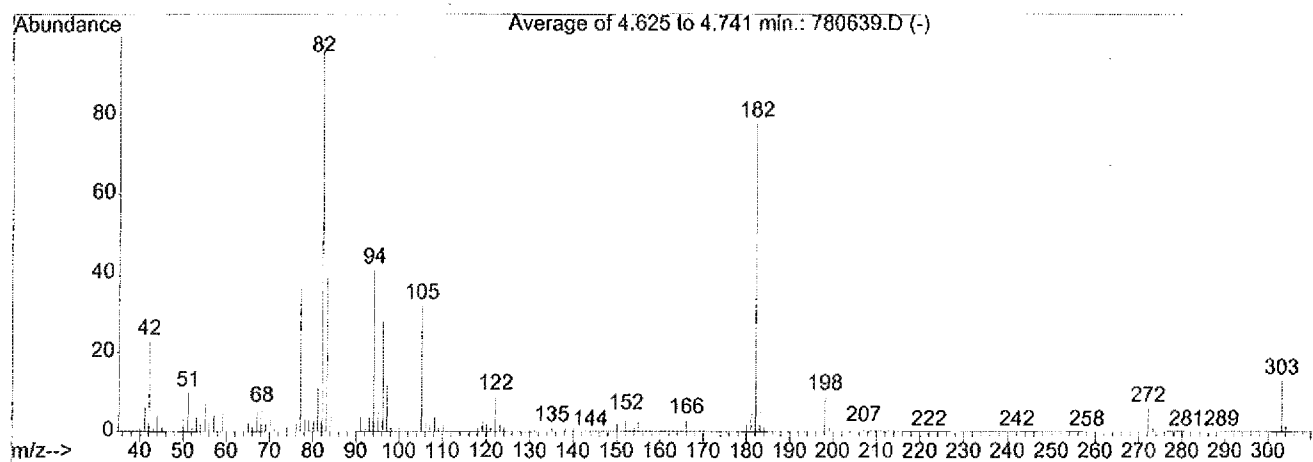
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Operator        : ASD
Date Acquired   : 5 Apr 2011 17:17
Sample Name     : COCAINE STD
Submitted by    : ASD
Vial Number     : 39
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	4.65	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



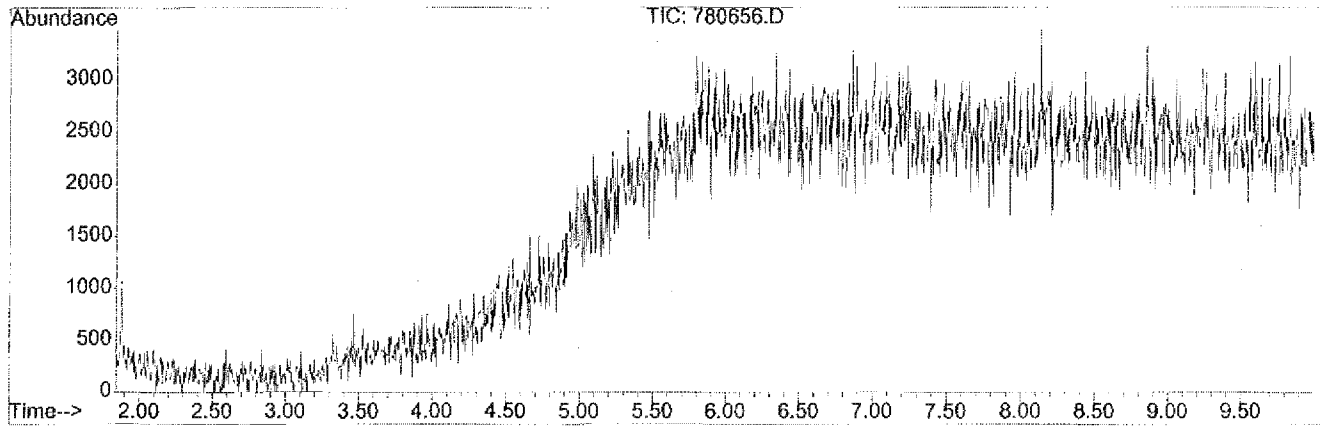
# Area Percent / Library Search Report

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## Information from Data File:

File Name : D:\SYSTEM4\04\_05\_11\780656.D  
Operator : ASD  
Date Acquired : 5 Apr 2011 21:11  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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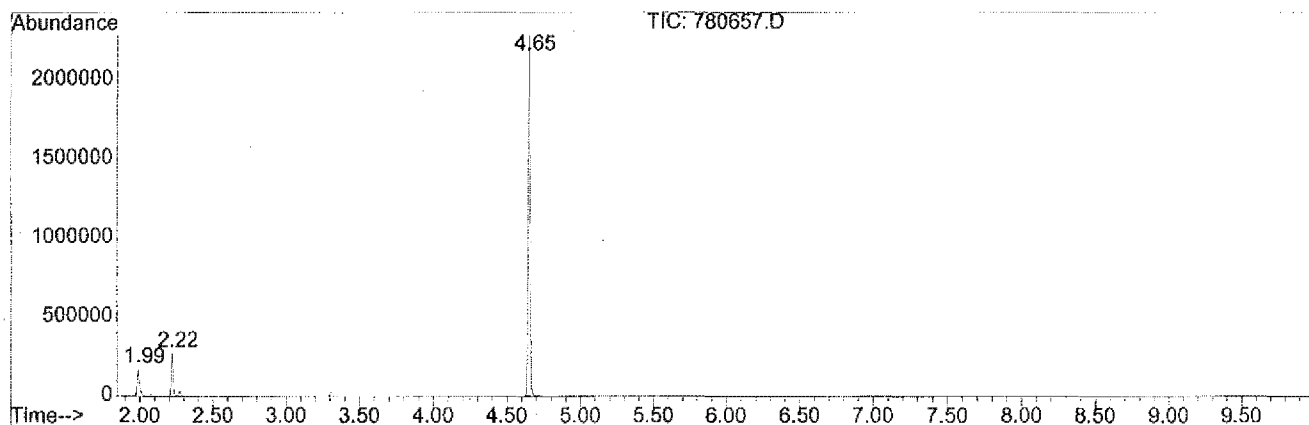
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\04\_05\_11\780657.D  
 Operator : ASD  
 Date Acquired : 5 Apr 2011 21:24  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 57  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
1.987	200757	7.96	9.69
2.220	250692	9.94	12.10
4.648	2071240	82.10	100.00

# Area Percent / Library Search Report

**Information from Data File:**

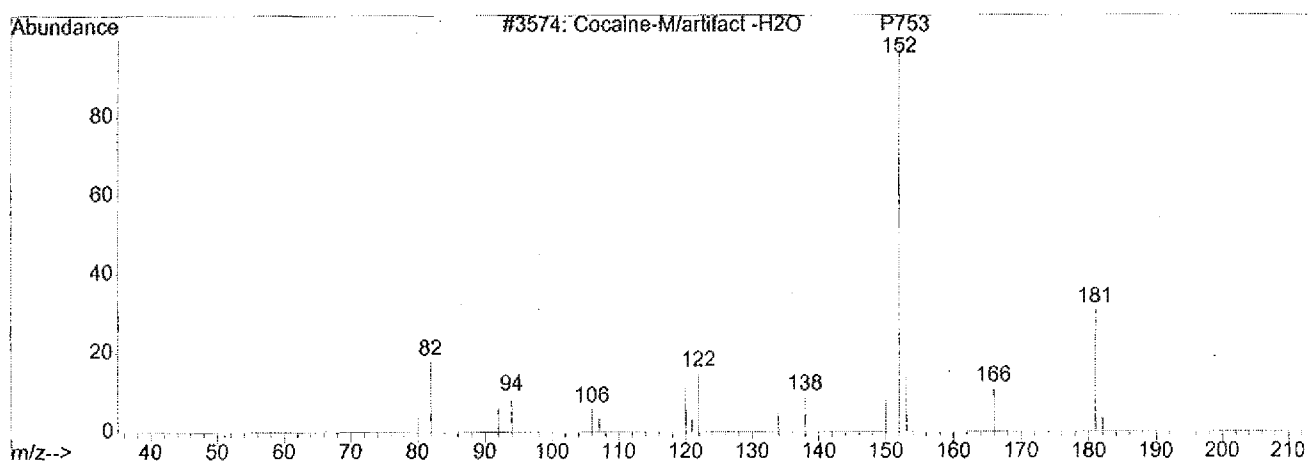
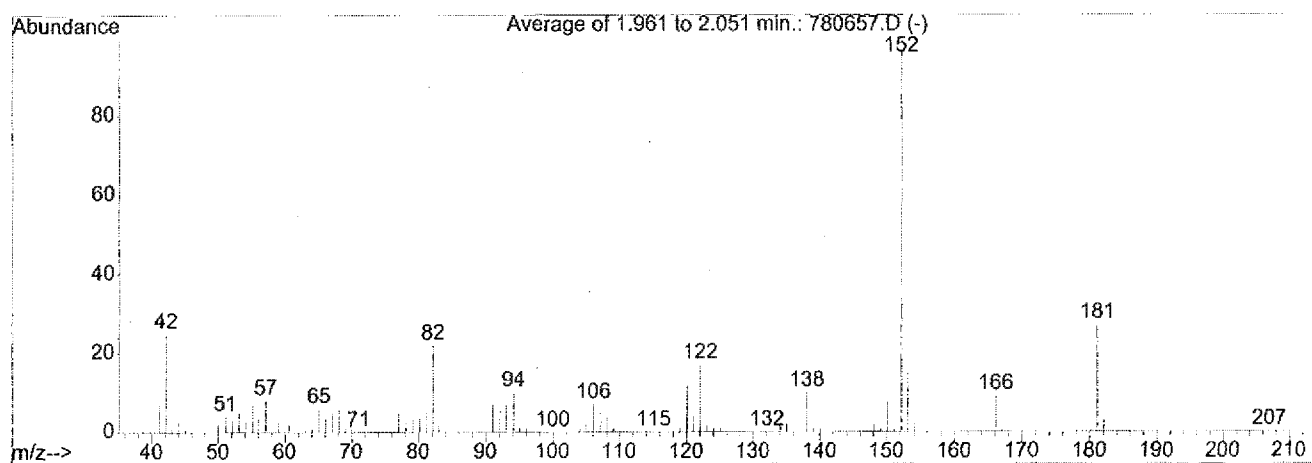
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File Name       : D:\SYSTEM4\04_05_11\780657.D
Operator        : ASD
Date Acquired   : 5 Apr 2011 21:24
Sample Name     : 
Submitted by    : ASD
Vial Number     : 57
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	1.99	C:\DATABASE\PMW_TOX2.L		
		Cocaine-M/artifact -H2O	000000-00-0	96
		MDA-M (desmethylenyl-methyl-) ME @	000000-00-0	37
		Metipranolol-M/artifact AC	000000-00-0	32



# Area Percent / Library Search Report

**Information from Data File:**

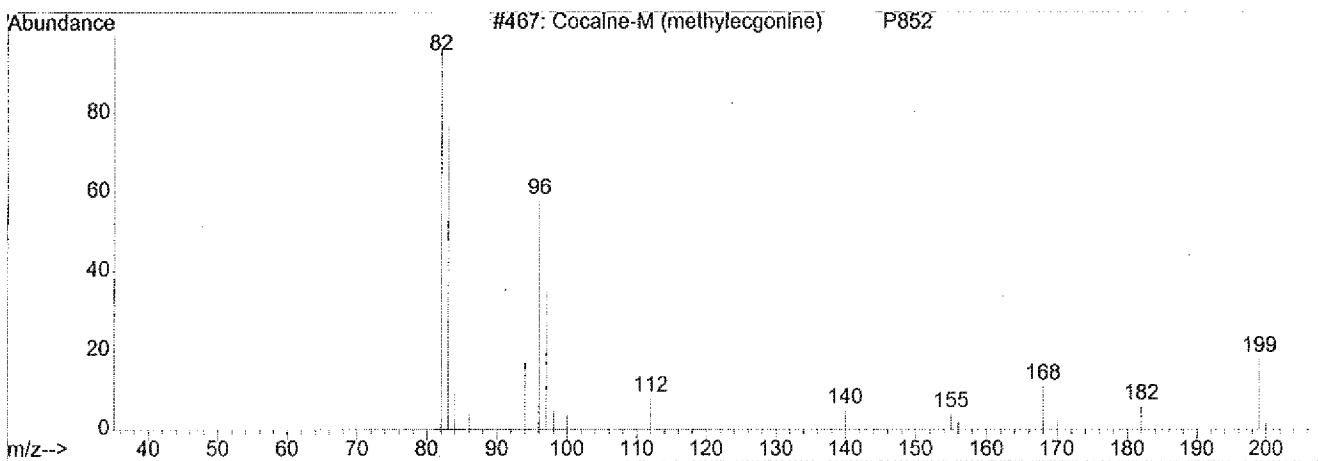
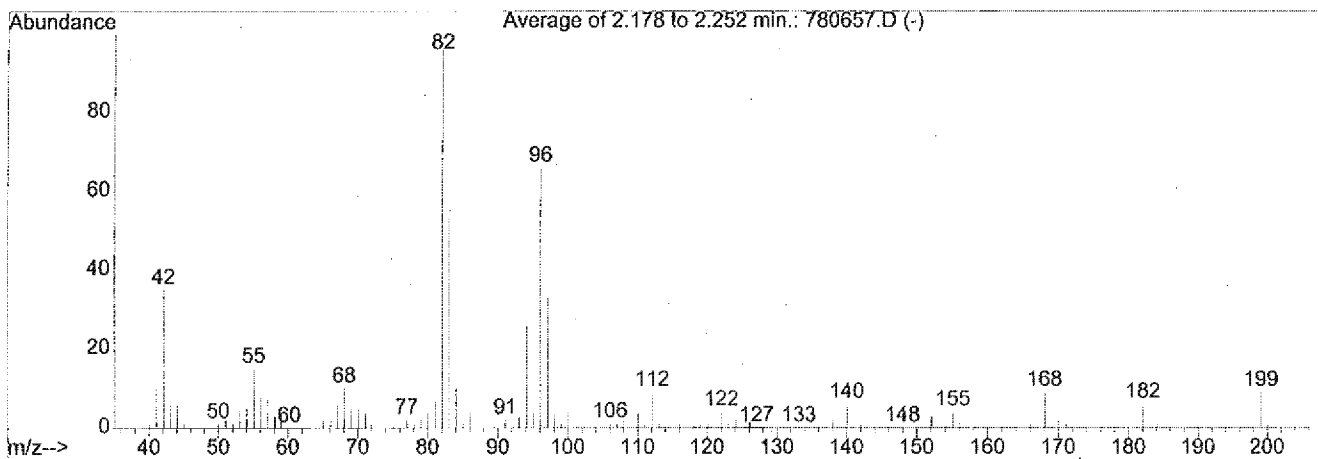
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File Name       : D:\SYSTEM4\04_05_11\780657.D
Operator        : ASD
Date Acquired   : 5 Apr 2011 21:24
Sample Name     : 
Submitted by    : ASD
Vial Number     : 57
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
2	2.22	C:\DATABASE\PMW_TOX2.L		
		Cocaine-M (methylecgonine)	007143-09-1	96
		Cocaine	000050-36-2	39
		Cocaine-M (methylecgonine) AC	000000-00-0	33



# Area Percent / Library Search Report

**Information from Data File:**

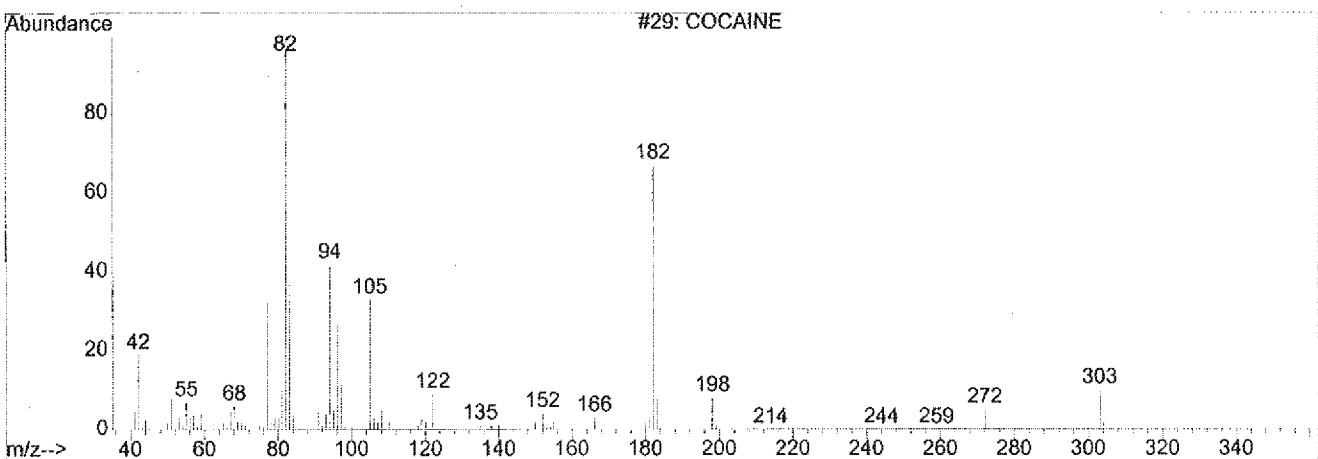
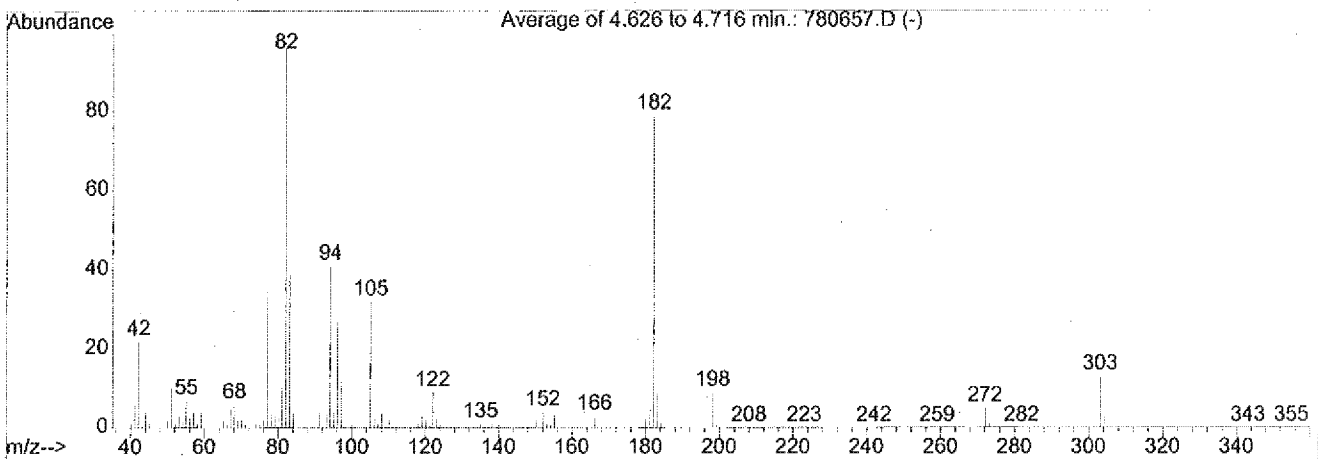
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File Name       : D:\SYSTEM4\04_05_11\780657.D
Operator        : ASD
Date Acquired   : 5 Apr 2011 21:24
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 57
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
3	4.65	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



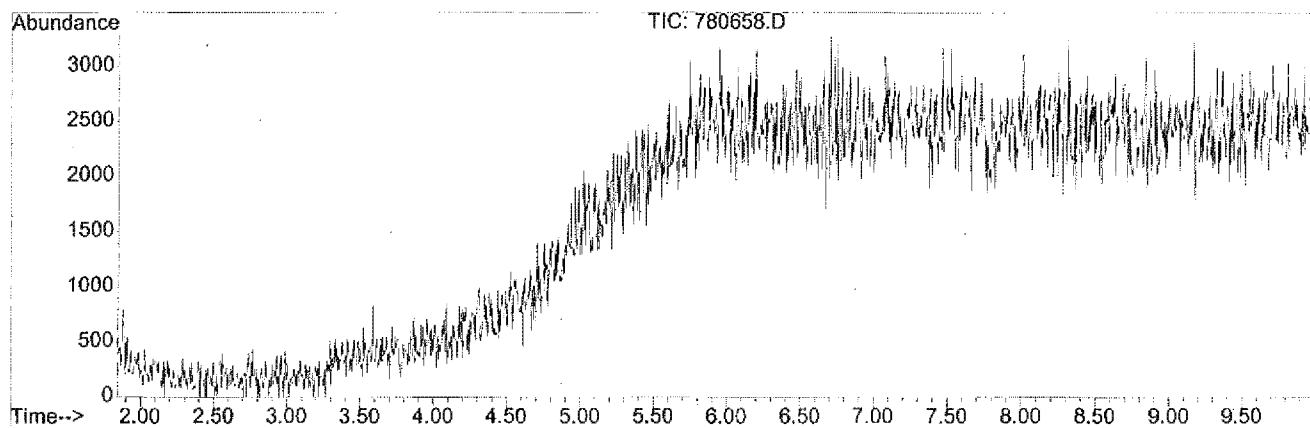
# Area Percent / Library Search Report

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## Information from Data File:

File Name : D:\SYSTEM4\04\_05\_11\780658.D  
Operator : ASD  
Date Acquired : 5 Apr 2011 21:38  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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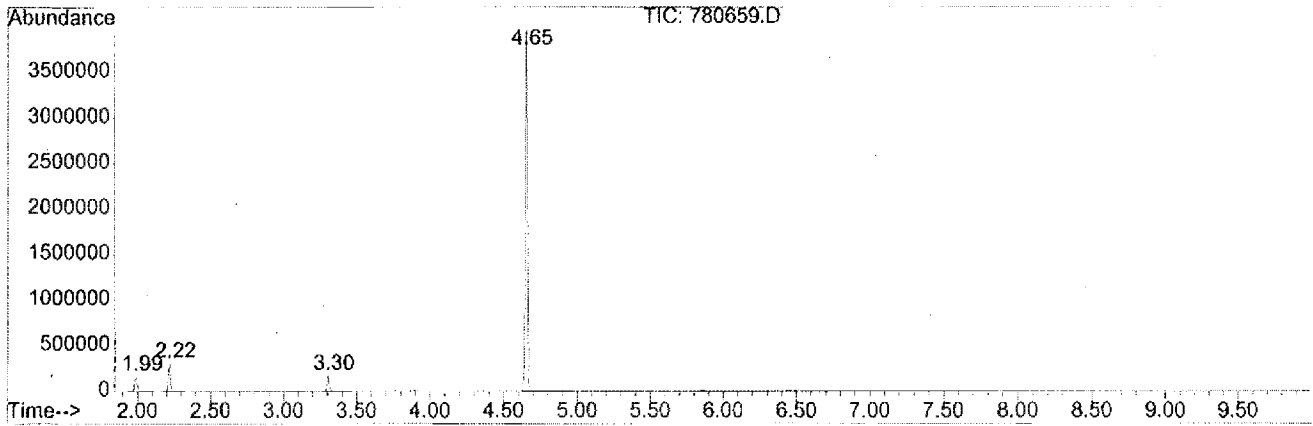
\*\*\*NO INTEGRATED PEAKS\*\*\*



# Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\04\_05\_11\780659.D  
 Operator : ASD  
 Date Acquired : 5 Apr 2011 21:52  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 59  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
1.986	223023	4.55	5.28
2.218	293718	5.99	6.95
3.303	161364	3.29	3.82
4.651	4223300	86.17	100.00

# Area Percent / Library Search Report

**Information from Data File:**

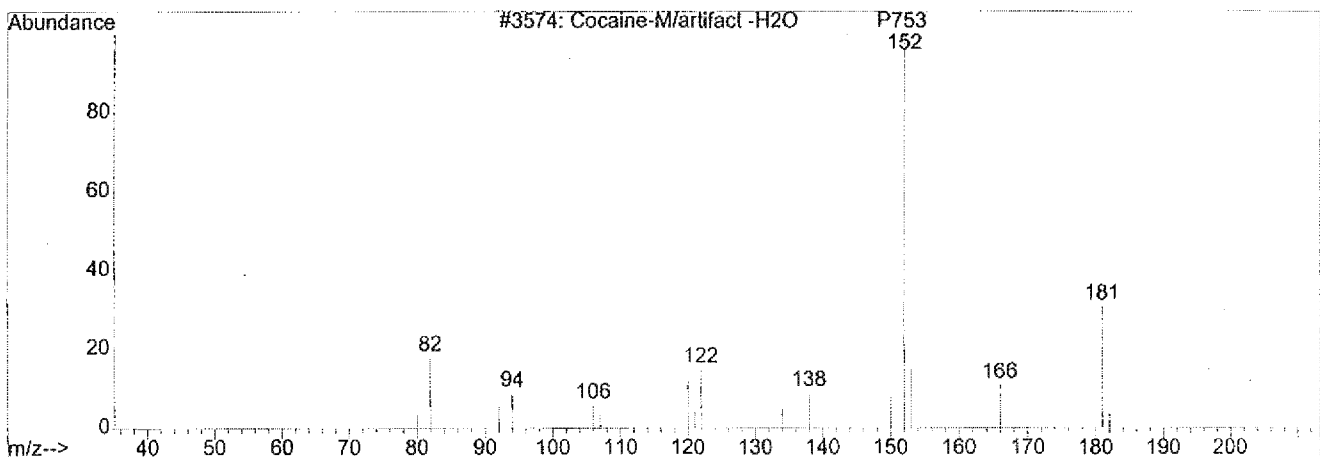
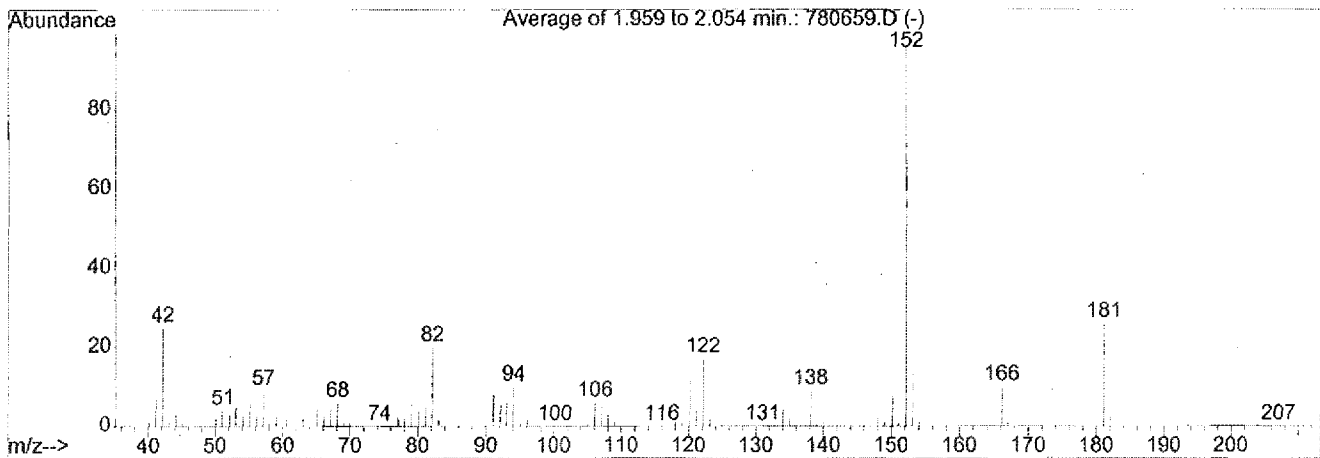
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File Name       : D:\SYSTEM4\04_05_11\780659.D
Operator        : ASD
Date Acquired   : 5 Apr 2011 21:52
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 59
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	1.99	C:\DATABASE\PMW_TOX2.L		
		Cocaine-M/artifact -H2O	000000-00-0	96
		MDA-M (desmethylenyl-methyl-) ME @	000000-00-0	37
		Metipranolol-M/artifact AC	000000-00-0	23



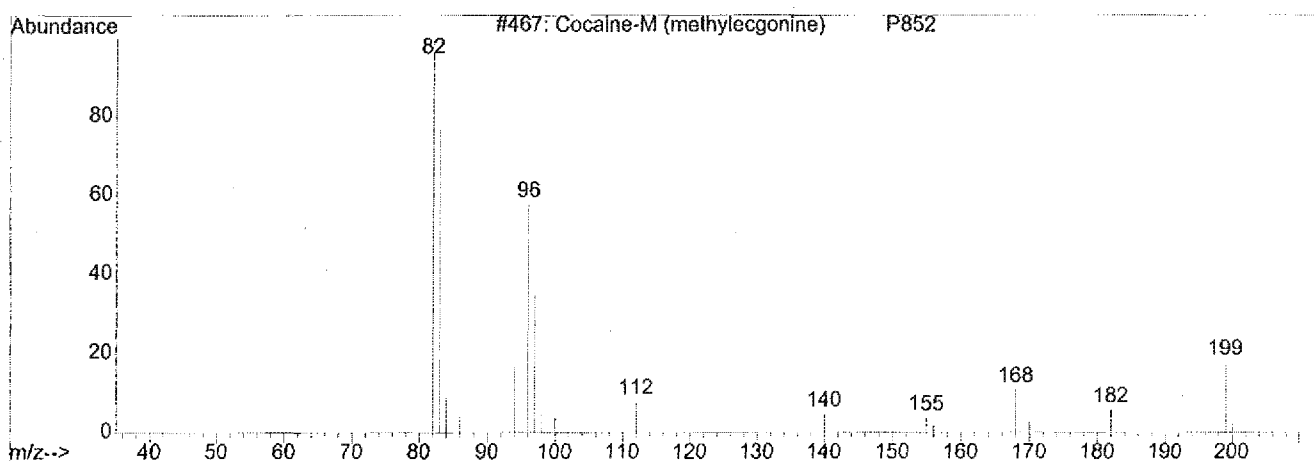
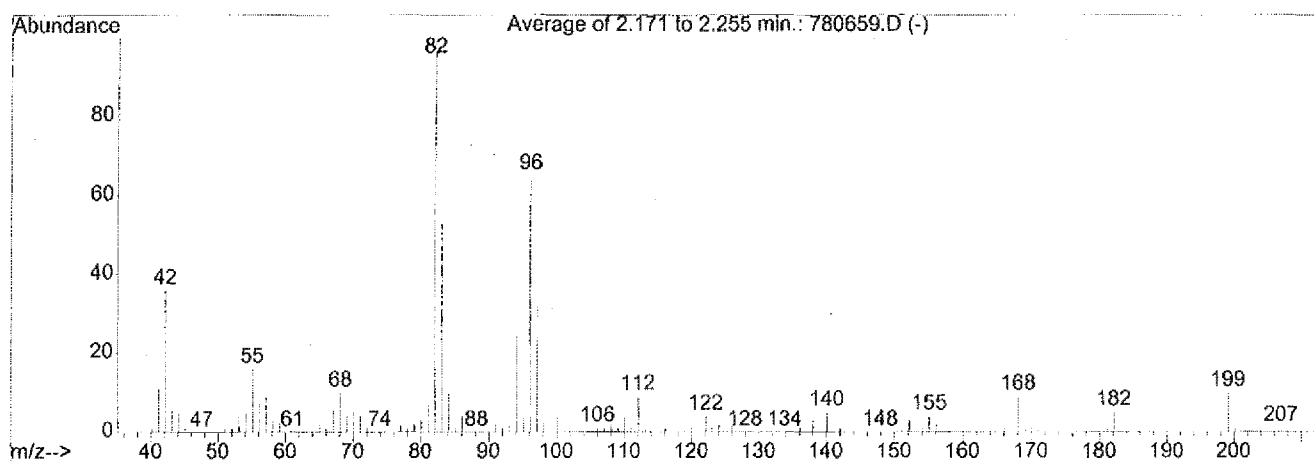
# Area Percent / Library Search Report

**Information from Data File:**

File Name : D:\SYSTEM4\04\_05\_11\780659.D  
 Operator : ASD  
 Date Acquired : 5 Apr 2011 21:52  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 59  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90  
 C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
2	2.22	C:\DATABASE\PMW_TOX2.L		
		Cocaine-M (methylecgonine)	007143-09-1	96
		Cocaine-M (methylecgonine) AC	000000-00-0	42
		Cocaine	000050-36-2	38



# Area Percent / Library Search Report

**Information from Data File:**

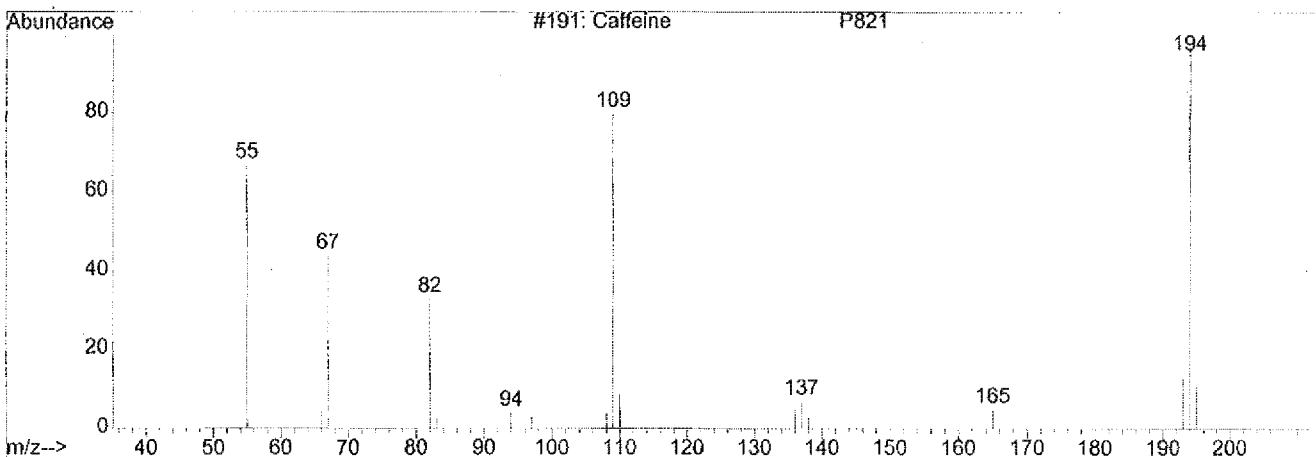
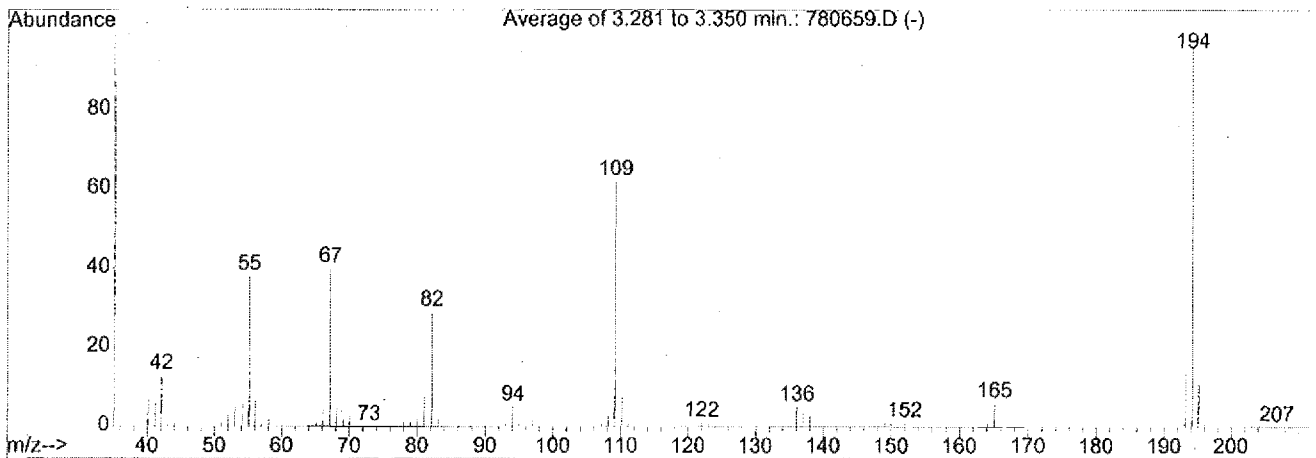
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File Name       : D:\SYSTEM4\04_05_11\780659.D
Operator        : ASD
Date Acquired   : 5 Apr 2011 21:52
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 59
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
3	3.30	C:\DATABASE\PMW_TOX2.L		
		Caffeine	000058-08-2	95
		Mescaline AC	000000-00-0	17
		Endogenous biomolecule 2AC	000000-00-0	7



# Area Percent / Library Search Report

**Information from Data File:**

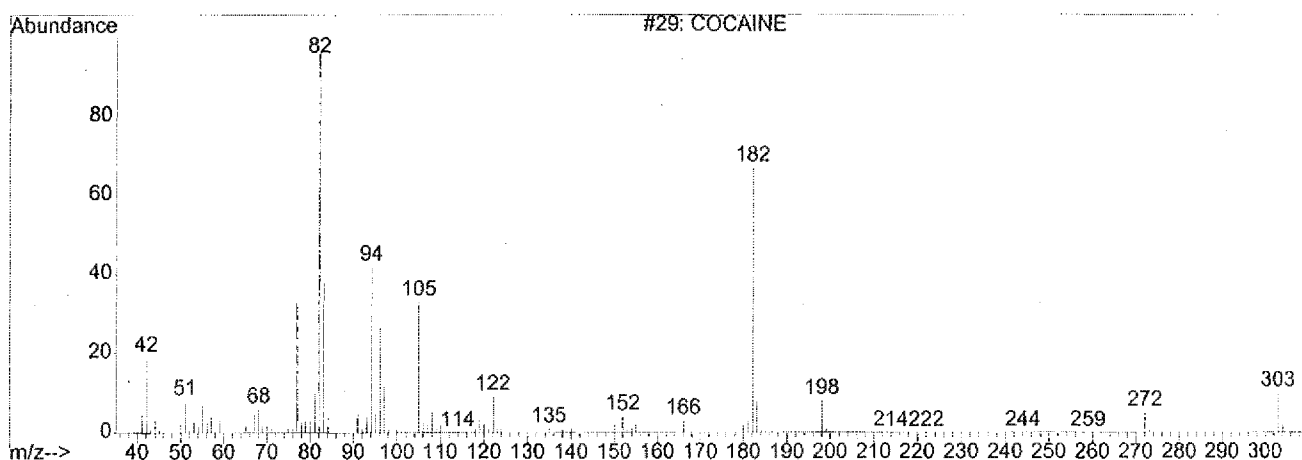
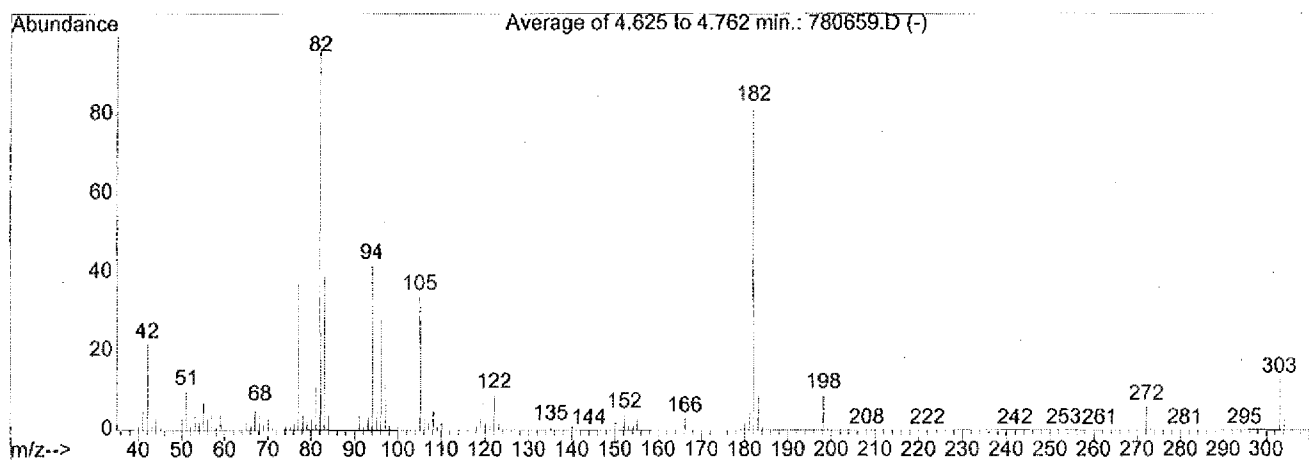
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File Name       : D:\SYSTEM4\04_05_11\780659.D
Operator        : ASD
Date Acquired   : 5 Apr 2011 21:52
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 59
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
4	4.65	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



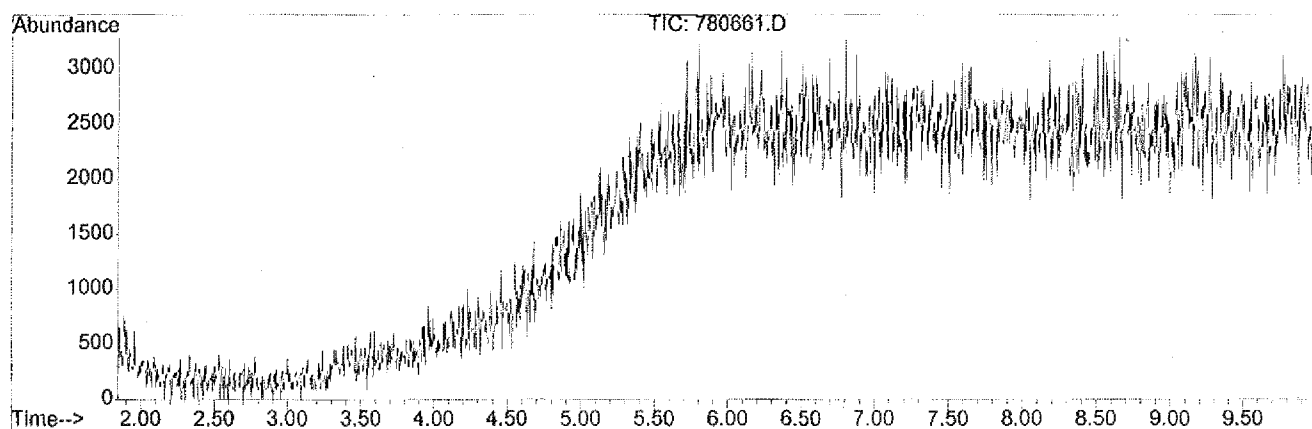
# Area Percent / Library Search Report

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## Information from Data File:

File Name : D:\SYSTEM4\04\_05\_11\780661.D  
Operator : ASD  
Date Acquired : 5 Apr 2011 22:20  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

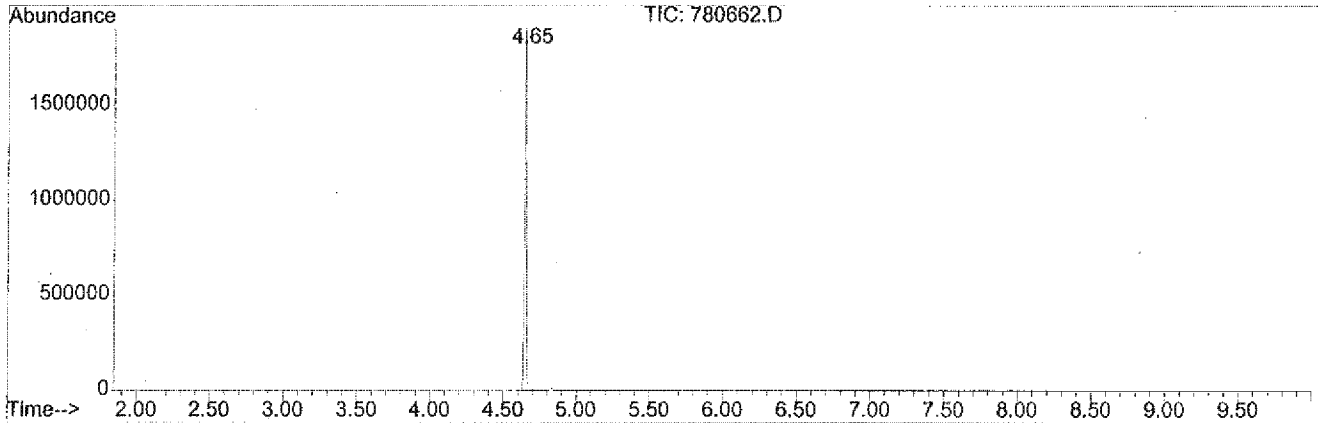
Area Percent / Library Search Report

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Information from Data File:

File Name : D:\SYSTEM4\04\_05\_11\780662.D  
Operator : ASD  
Date Acquired : 5 Apr 2011 22:33  
Sample Name : COCAINE STD  
Submitted by : ASD  
Vial Number : 39  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



Ret. Time	Area	Area %	Ratio %
4.649	1755715	100.00	100.00

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# Area Percent / Library Search Report

**Information from Data File:**

```

File Name       : D:\SYSTEM4\04_05_11\780662.D
Operator        : ASD
Date Acquired   : 5 Apr 2011 22:33
Sample Name     : COCAINE STD
Submitted by    : ASD
Vial Number     : 39
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	4.65	C:\DATABASE\SLI.L COCAINE	000050-36-2	99

